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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT. EASTERN KASHMIR, 28 APRIL 1975

J. R. Woolson, et al

Teledyne Geotech

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Air Force Technical Applications Center

October 1975

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT Eastern Kashmir, 28 April 1975

J.R.Woolson, D.D.Solari, M.S.Dawkins, K.J.Hill, and R.J.Markle
Alexandria Laboratories
Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

October 1975

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Unclassified
SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
SDCS-ER-75-28	
4 TITLE (and Subtitle) SPECIAL DATA COLLECTION SYSTEM (SDCS)	S TYPE OF REPORT & PERIOD COVERED Technical
Eastern Kashmir, 28 April 1975	6 PERFORMING ORG. REPORT NUMBER
Woolson, J. R., Solari, D. D., Dawkins, M. A., Hill, K. J., and Markle, R. J.	F08606-74-C-0013
9 PERFORMING ORGANIZATION NAME AND ADDRESS Teledyne Geotech	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
314 Montgomery Street Alexandria, Virginia 22314	T/4703
Defense Advanced Research Projects Agency Nuclear Monitoring Research Office	17 November 1975
1400 Wilson BlvdArlington, Virginia 22209 14 HONITORING AGENCY NAME & ADDRESS(II different from Controlling Office)	15 SECURITY CLASS. (of this report)
VELA Seismological Center 312 Montgomery Street	Unclassified
Alexandria, Virginia 22314	15. DECLASSIFICATION DOWNGRADING SCHEDULE
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18. SUPPLEMENTARY NOTES	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)	

SDCS Event Report No. 28

Eastern Kashmir, 28 April 1975.

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Latitude	Longitude	m	M _s
NORSAR	11:06:47	36 N	079 E	5.5	N/A
LASA	11:07:03	39.9N	078.1E	5.5	N/A
PDE	11:06:44	35.8N	079.9E	5.8	6.3
Hagfors Array, Sweden	11:07:03	38 N	077 E	5.6	6.1

Using SDCS stations, LASA and NORSAR, the epicenter location and magnitudes become 11:06:37.8 35.3N 079.6E 5.5 5.8

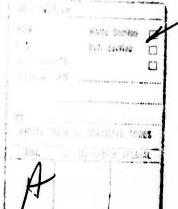
All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at Wh2YK, RK-ON, LASA and NORSAR. High level background noise prevented definite determination of signal arrivals at HN-ME, FN-WV and CPSO. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.*

Long-period signals were recorded at all SDCS stations. At HN-ME the LP transverse channel operated at an unknown gain. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.* Horizontal channels at WH2YK were not rotated due to signal clipping. LP array beam data were unrecoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

*Due to operational problems the instrument hole lock was repositioned and the known orientation lost. Situation corrected 24 May 75 when the instrument was moved to a new borehole.



STATION DESCRIPTION

SITE	LOCATION	SITE COORDINATES DEG MN SECS	DINATES	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD LONG-	TATION LONG-PERIOD
ALPA	Alaska	65 14 147 44	00.00 N 36.0 W	626	None	31300
CPSO	McMinnville, Țennessee	35 35 085 34	41.4 N 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	. 38 32 079 30	58.0 N 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 106 13	19.0 N 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 067 59	43.0 N 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60 49 010 49	25.4 N 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 093 40	20.0 N 20.0 W	366	18300	SL210 V SL220 H
WHZYK	White Horse, Yukon	60 41 134 58	41.0 N 02.0 W	853	18300	SL210 V SL220 H

HYPOCENTER DETERMINATION

INPUT	FOR	EVENT	28	AFF	75
11:06:47.0	36	.000N	79.00	DOE	OKM.

		RES	IDUALS	DIST.	AZ.	
STA.	ARRIVA	L CAIC	REST	REST	REST	
NAC	11 15 30	. 4 0.1	-0.0	49.7	323.2	
WH2YK	11 18 49	.3 0.1	0.0	80.2	16.5	
RK-CN	11 19 57	.0 0.3	0.2	94.0	355.7	
IAC	11 20 16	.0 -0.2	-0.2	98.2	4.0	

67 HERRIN TRAVEL TIME TABLES

	ORIGIN	LAT.	LCNG.	DEPTH	H (KM)	SDV	IT	STA
NO	CONVERGENCE	CN CALC	PUN					
	11:06:58.2	36.148N	79.483E	130.	CALC	0.2	16	4
	11:06:37.8	35.304N	79.594E	0.	REST	0.1	3	4

		CA	LC					1	RE	ST		
		1 .	2					1	•	2		
	1	•		0			1		•		0	
0		0.	C		C	0		().	0		0
•	•	• •	•	•	•	•	•	•	•	•	•	•
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		0.	O					0	•	0		

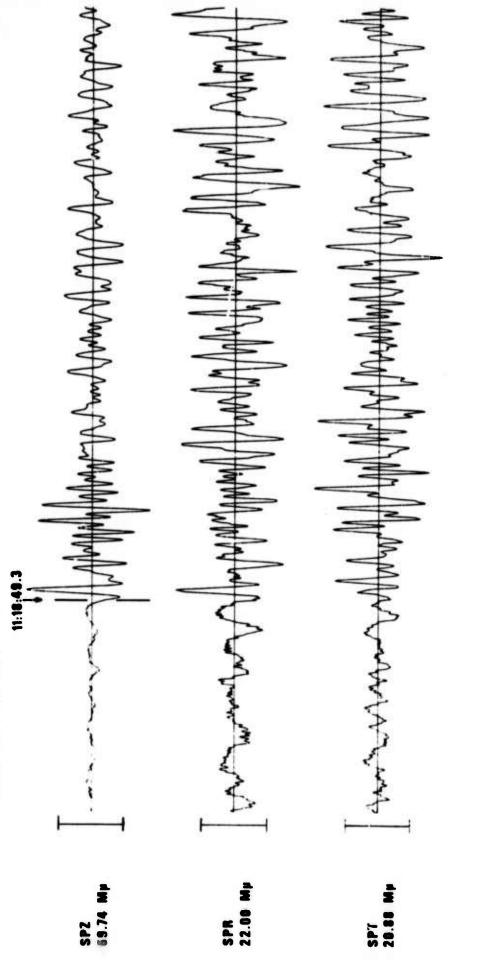
CHI2 CCVERAGE ELLIPSE: 95 PER CENT CONF..LEVEL, SDV = 0.94
MAJCF 332.1KM. MINOR 54.7KM. AZ = 12 AREA = 57093 SQ.KM. FEST

DATA SUMMARY

INPUT FOR EVENT 28 APR 75 11:66:47.0 36.000N 79.000E 0KM.

		AF	RI	AL				MAG	NITUE	E			
STA.	PHASE		TI		INST	PER	AZT_	MB		15	DIP	DIST_	
NAC	ΕP	11	15	30.4	AP	C.7	121.	5.51				49.7	
WH2YK	ΞP		18			1.0	102.	5.43				80.2	
WH2YK	LR	11	57	28.3		22.0	523.		5. 7	74		80.2	
HN-ME	LR	12		23.0		20.0	330.		5. 6	51		93.8	
FK-CN	EP			57.0		0.8	28.	5.25				3.46	
FK-CN	LO	11		C3.0		30.0	621.						
RK-ON	LR	12	03			23.0	744.		5. 9	96		on . C	
LAC	FP	11		16.0		1.3	58.	5. 96				98.2	
FN-WV	LR	12				22.0	CLIPPED					104.0	
CPC	LQ	12		58.0		34.0	677.						
CFC	LR			16.5		22.0	674.		5. 9	98		178.1	
CE	IGIN	Ī.	AT.		LCNG.	DEP	TH (KM)	MAG	SDV	STA	LPMAG	LPSDV	LPSTA
	06:37.8			4N .	79.594E			5.54	0.30	4	5.83	0.2	ц



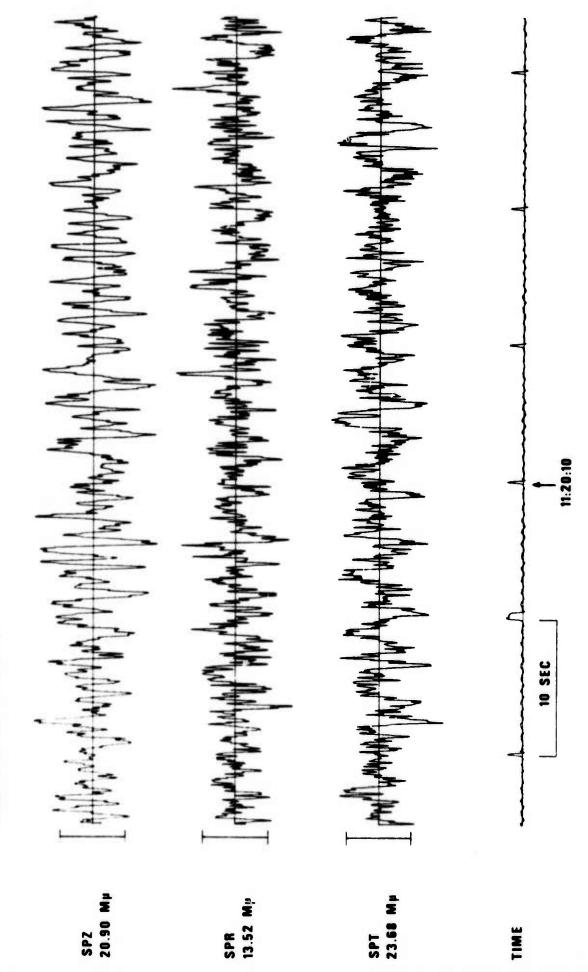


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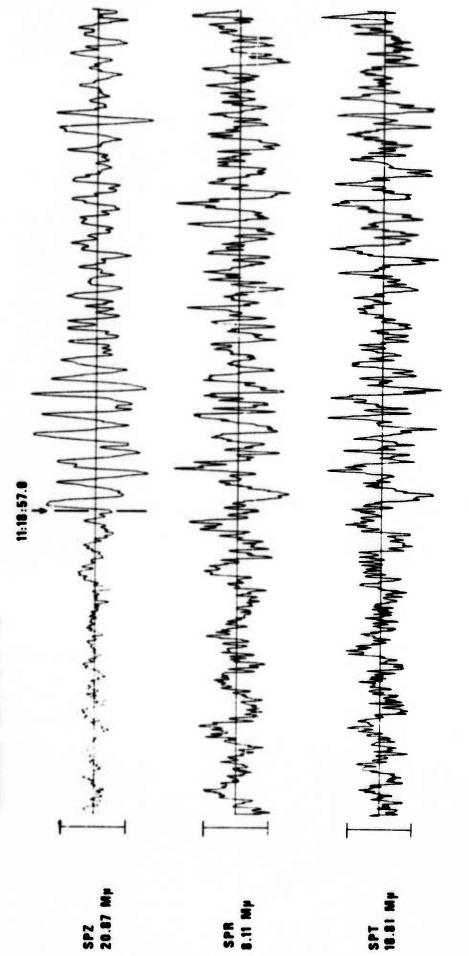
1:19:10

10 SEC

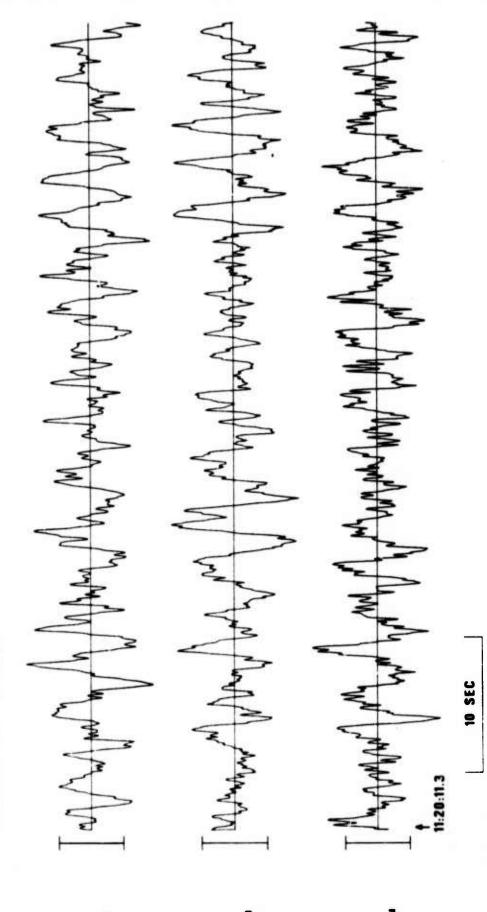
HN-ME 28 APR 75

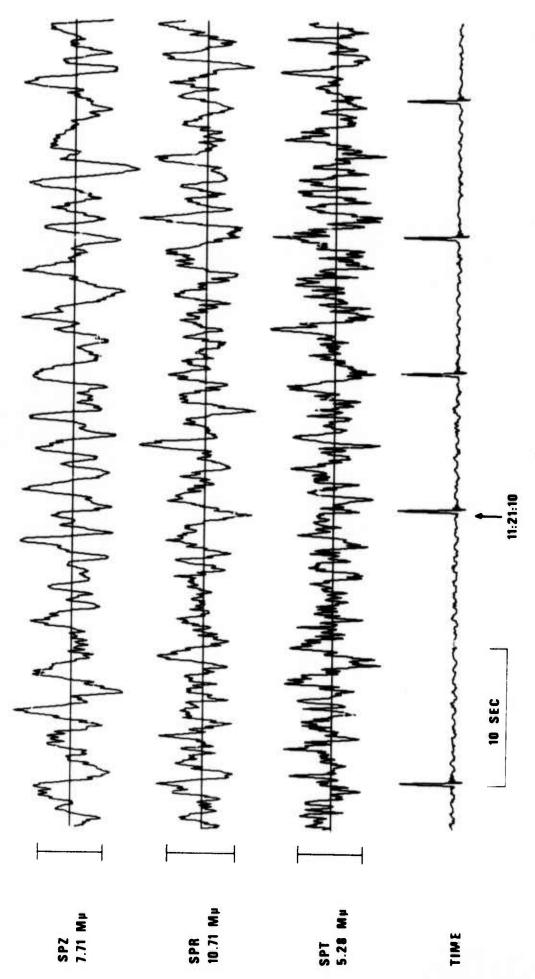


RK-ON 28 APR 75



FN-WV 28 APR 75



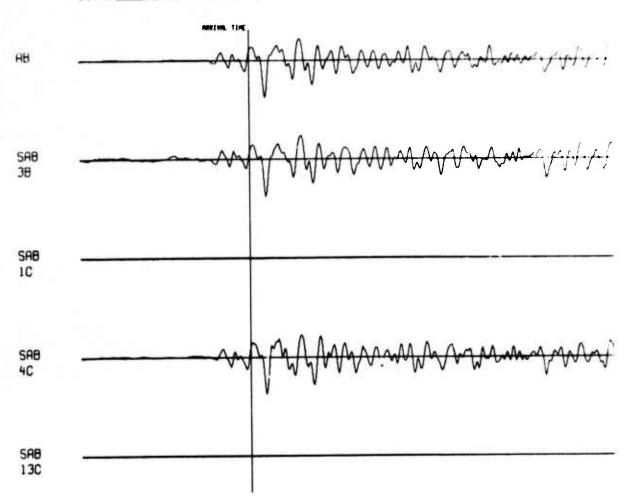


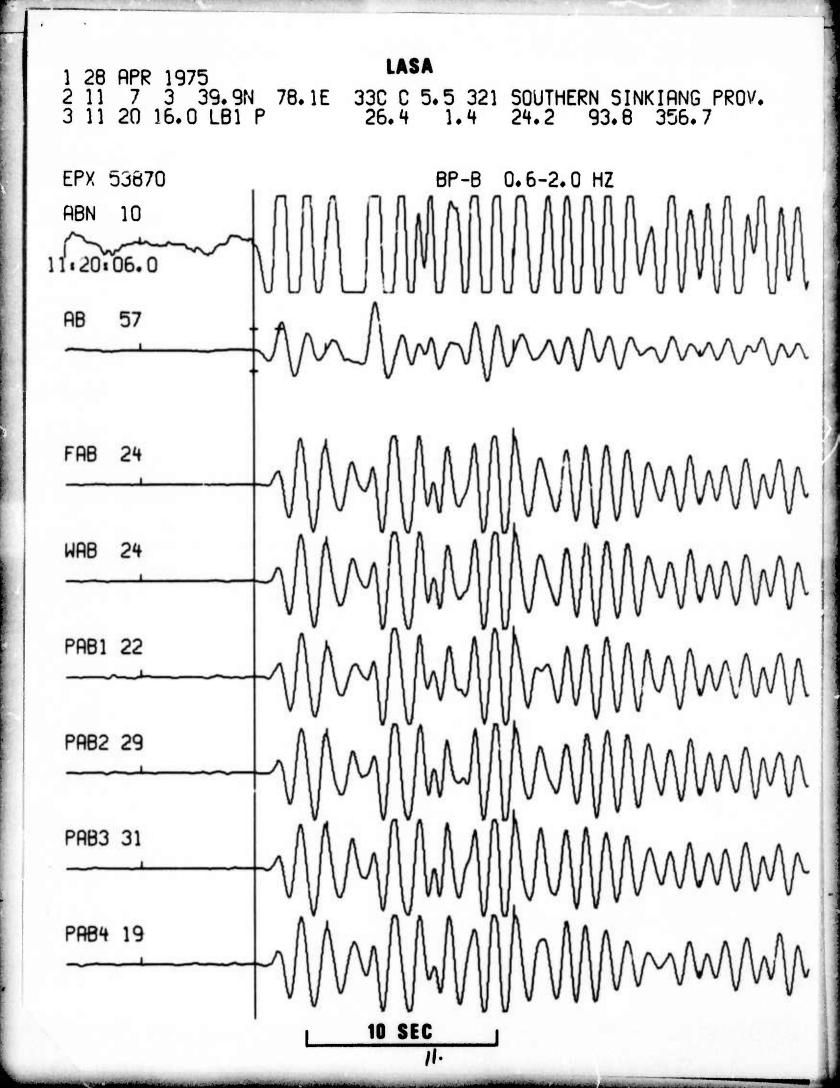
NORSAR EVENT FILE 1975 APR 28

5PK NO. 4140 ARR. 11.15.33.8 35.5 N 078.6 E 5.4 MB-OKM

JIST = 0.0 AZI = 0.0 AMP = \$5.4 PER = 1.7 UMETH 2

SCALEL____= 5 SECONDS





WH2YK 28 APR 75

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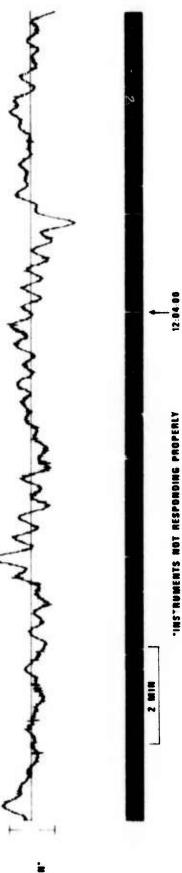
2 2

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RK-ON 28 APR 75

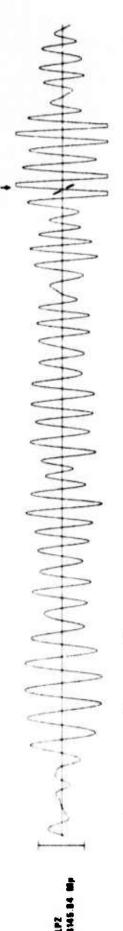






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FN-WV 28 APR 75



IMMM Maranaman Miller

Is a follow the temperature of the second of

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CPS0 28 APR 75

